

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

of

**Complete if Known**

Application Number	09/826,118
Filing Date	01/09/2001
First Named Inventor	Urbain A. von der Embse
Art Unit	2193
Examiner Name	Chat C. Do
Attorney Docket Number	

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,526,446	06/11/1996	Adelson et al.	
		US- 5,953,388	09/14/1999	Walnut et. al.	
		US- 6,584,111	06/24/2003	Awaya et al.	
		US- 6,643,406	11/04/2003	Hajjahmad et al.	
		US- 5,453,945	09/26/1995	Tucker et al.	
		US- 6,064,768	05/16/2000	Haji et al.	
		US- 6,687,422	02/03/2004	Chen et al.	
		US- 6,477,553	11/05/2002	Druck	
		US- 5,845,243	12/01/1998	Smart et al.	
		US- 5,937,009	08/10/1999	Wong et al.	
		US- 6,091,777	07/18/2000	Guetz et al.	
		US- 6,182,035	01/30/2001	Mekuria et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

of

Attorney Docket Number

**Complete if Known**

Application Number	09/826,118
Filing Date	01/09/2001
First Named Inventor	Urbain A. von der Embse
Art Unit	2193
Examiner Name	Chat C. Do
Attorney Docket Number	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		McCLELLAN et.al., "A Computer Program for Designing Optimal FIR Linear Filters", IEEE Trans. Audio Electroacoust. Vol. AU-21, Dec 1973, pp 506-526	
		VAIDYANATHAN et.al., "Eigenvalues: A New Approach to Least-Squares FIR Filter Design and Applications Including Nyquist Filters", IEEE Trans. on Circuits and Systems, Vol. CAS-34, No. 1, Jan. 1987, pp 11-23	
		HAITAO GUO et.al., "Wavelet Transform base Fast Approximate Fourier Transforms", 1997 ICASSP IEEE INT CONF ACOUST SPEECH SIGNAL PROCESS PROC, pp 1973-1976	
		T. BLU, "A New Design Algorithm for two-band orthogonal rational filter banks and orthonormal rational Wavelets", IEEE Signal Processing, June 1998, pp. 1494-1504	
		K. C. HO et.al., "Optimum Discrete Wavelet Scaling and its Application to Delay and Doppler Estimation", IEEE Signal Processing, Sept. 1998, pp 2285-2290	
		H. S. STONE, "Progressive Wavelet Correlation Using Fourier Analysis", 01/1999 IEEE Transactions on Signal Processing, Vol. 47, No. 1, pp. 97-107	
		A. M. GRIGORYAN, "2-D and 1-D Multipaired Transforms: Frequency-Time Type Wavelets", 02/2001 IEEE Transactions on Signal Processing, Vol. 49 No. 2, pp 344-353	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.